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TITLE : PRODUCTION OF POROUS CELLULOSE FILM

ABSTRACT : PURPOSE: To produce efficiently a porous cellulose film which has a pore structure having a relatively small pore diameter and extremely uniform in the direction of film thickness and which is excellent in filtering and separating properties.

CONSTITUTION: A cuprammonium solution containing cellulose having an average mol.wt. of at least 5×10^4 is mixed with acetone and water to obtain an aqueous cellulose solution having a cellulose concentration of 2-4wt.%, an ammonia concentration of 1.6-3.2-wt.%, and an acetone concentration of 15-25wt.%. This solution is caused to undergo microphase separation at a temp. not lower than 35°C but not higher than the b.p. of acetone to produce a porous cellulose film preferably having an average pore diameter of 100-200nm.

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